

1 I claim:

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3 1. A method of streaming a panorama from a server to a client, wherein a user can only
4 see the portion of the panorama in a view window and the user can move the location of the
5 view window in the panorama, said method comprising the steps of
6 dividing the panorama into slices,
7 transmitting from the server to the client slices of said panorama that contain the view
8 window plus a guard band surrounding the view window,
9 transmitting from the client to the server instructions to change the location of said guard
10 band as said user moves said view window.

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12 2. The method recited in claim 1 wherein said slices are the slices defined in the MPEG
13 standard.

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15 3. The method recited in claim 1 where the streaming from the server to the client is
16 handled by a streaming server and a plug-in to said server provides the slices in said guard
17 band.

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19 4. The method recited in claim 1 where the client and the server are located on the same
20 physical machine.

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22 5. The method of streaming data relative to a series of panoramic images from a server to
23 a client, whereby a view window of said client can be displayed to a user, said method
24 comprising the steps of:

25 dividing each of said panoramic images into areas,

26 streaming a plurality of said areas from each area from said server to said client, said
27 plurality of areas including said view window and a guard band around said view window,
28 displaying said view window portion of said panorama at said client,

29 accepting user directions to change the location of said view window,

30 sending commands to said server to change said plurality of areas being streamed to said
31 server when said view window is changed more than a threshold amount, and

32 changing the areas streamed from said server to said client in response to said commands.

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6. The method recited in claim 5 wherein said areas are MPEG slices.
7. The method recited in claim 5 wherein said server is a Real Networks server.
8. The method recited in claim 5 wherein said panorama is displayed to said user in a perspectively correct manner.
9. The method recited in claim 5 wherein said server simultaneously streams portions of different panoramas to different clients.
10. The method recited in claim 5 wherein said server and said client are on the same physical machine.
11. A system for transmitting panoramic images from a server to a client,
means at said server for dividing each panorama into areas, a plurality of said areas forming a region of interest of said panorama, said region of interest including a view window and a guard band around said view window,
means for transmitting a region of interest from each panorama in a series of panoramas from said server to said client,
means at said client for moving the location of said view window in said panorama,
means for transmitting from said client to said server commands to change the location of said region of interest, and
means at said server for changing the location of said region of interest which is streamed to said client.
12. The system recited in claim 11 where each of said areas comprise a plurality of MPEG slices.
13. The system recited in claim 12 wherein said server simultaneously streams portions of different panoramas to different clients.

